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ABSTRACT

A study was conducted to identify the number and mobility patterns of Illinois 2-year college students who transferred to 4-year colleges or universities in Illinois for the first time in fall 1979. In addition, the study sought to determine the pre-transfer characteristics of these students, i.e., age, sex, grade point average (GPA), program of study, credit hours completed, and degree received, if any, from the 2-year college. The study involved 10,273 students who transferred from forty-three 2-year institutions (39 public and 4 private) to forty-three 4-year institutions (13 public and 30 private) and included comparisons with two earlier transfer studies conducted in 1967 and 1973. Study findings show: (1) 99% of the fall 1979 transfers came from public community colleges and 80% transferred to public 4-year institutions; (2) a slight decline in the number of community college to senior college transfers was evidenced between fall 1973 and fall 1979; (3) 66.6% of the transfers were between 21 and 24 years of age, and 17.3% were between 25 and 30; (4) 50% of the transfers were female; (5) the principal programs of enrollment of transfer students were general liberal arts (41%) and business (10%), and 19% of the students were "undeclared"; (6) 39% of the students had completed an associate degree before transferring; and (7) the mean pre-transfer GPA of students was 2.93. A list of participating institutions is appended. (HB)

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A FOLLOW-UP STUDY OF STUDENTS TRANSFERRING FROM ILLINOIS TWO-YEAR COLLEGES TO ILLINOIS SENIOR INSTITUTIONS IN FALL 1979

Report 1

Mobility Patterns and Pre-transfer Characteristics

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IN FALL 1979

Report 1
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PREFACE

The study of Fall 1979 two-year to senior college transfers is the third in a series of transfer studies conducted in Illinois. This first report covers the beginning phases of the study: the mobility patterns and pre-transfer characteristics of the Fall 1979 transfers. A second report comparing first-year persistence and achievement and pre-transfer characteristics is expected to be completed by June 1982.

Annual progress reports and special reports on selected topics will be prepared and distributed approximately quarterly thereafter, with the final report due for publication in 1984 at the conclusion of the study.

The staff of the ICCB and the Transfer Study Subcommittee wish to thank all participating institutions for their continuing cooperation. We would welcome your suggestions for topics and/or formats for future reports.

Ann Kieffer Bragg
Associate Director for Research

INTRODUCTION

A primary mission of the two-year colleges in Illinois is the preparation of students for transfer to senior colleges and universities to complete their baccalaureate degrees. An important measure of the success of two-year colleges in fulfilling this mission is the number of students who transfer and subsequently complete the baccalaureate degree at a senior institution.

This transfer student follow-up study is the third undertaken since the "Public Community College Act" of 1965 created the community college system in Illinois. Each of the three studies is slightly different in population included and purpose of the study. The first study, entitled "Performance of Transfer Students Within Illinois Institutions of Higher Education," was published in 1971 by the Council on Articulation of the Illinois Conference on Higher Education. It followed students who transferred in the fall of 1967 from two-year to senior institutions and from senior to two-year institutions, i.e., reverse transfers, for the 1967-68 academic year only. In addition, it included students transferring to Illinois institutions from both out of state and out of the country. Its primary purpose was to determine the magnitude of the transfer phenomenon.

The second study, "A Statewide Follow-up Study of Students Who Transfer from Illinois Public Community Colleges to Illinois Four-year Colleges and Universities," was conducted under the auspices of the Illinois Community College Board. This second study included only those students who transferred from one of the Illinois public community colleges to 24 senior Illinois institutions in the fall of 1973 and followed them through the Spring Term of 1976 in order to determine the transfer students' achievement and persistence toward baccalaureate degree completion.

This present study, also conducted by the Illinois Community College Board, includes students transferring from both public and private two-year colleges in Illinois to 43 senior Illinois institutions in the Fall Term of 1979, and will follow their progress toward baccalaureate degree completion for five years.

Although the populations and number of participating institutions vary from study to study, as illustrated in Table 1, this first report will present comparative data from all three studies as appropriate. (For a complete listing of institutions participating in the three studies, see Appendix A.) All public institutions, whether two-year or four-year, in existence at the time of each study were included in all three studies.

Table 1

NUMBER OF PARTICIPATING INSTITUTIONS BY YEAR AND LEVEL

Year Study Initiated	Two-year Institutions		Senior Institutions		Total
	Public	Private	Public	Private	
1967	27	10	9	41	87
1973	38	0	12	12	62
1979	39	4	13	30	86

Purposes

The institutional population for this study included all 39 public community college districts, four private junior colleges, all 13 public university campuses, and 30 private senior colleges and universities. The senior institutions identified the fall 1979 transfer students, who were then verified as former students by the sending two-year college. Since many students transfer with less than one year of academic work and then follow a part-time attendance pattern at the senior institutions, the follow-up study is planned for a period of five years.

The specified purposes of the study are:

1. To identify the number and mobility patterns of Illinois two-year college students who transferred to four-year colleges or universities in Illinois for the first time in the Fall Term 1979;

2. To identify the pre-transfer characteristics of these transfer students, including age, sex, grade point average (GPA), program of study, credit hours completed, and degree received, if any, at the two-year college;

3. To determine the level of performance, persistence, and baccalaureate degree completion of these transfer students within a period of five years;

4. To determine the predictive validity of two-year college grades by senior college or university and by educational program; and

5. To analyze the relationship between post-transfer achievement by pre-transfer characteristics, such as degree earned, credit hours completed, and program of study, for these transfer students.

Findings

Report 1 will address only the first two purposes of the study: the mobility patterns and pre-transfer characteristics of the Fall 1979 transfer students.

Mobility Patterns. The first purpose of this study was to identify the number of students transferring from two-year colleges to senior institutions in the Fall Term 1979 and to examine the pattern of student mobility. The receiving senior institutions identified all Illinois two-year college transfers entering for the first time in the Fall Term 1979 and all the two-year college transfers who had entered for the first time in the Summer Term 1979 and continued enrollment in the fall term. The sending two-year institutions then verified that the students so identified were their former students. This identification and verification process resulted in a total of 10,273 transfer students, hereafter referred to as the Fall 1979 transfers.

Table 2 shows the number and percent of students transferring from two-year to senior institutions in the fall of 1979 by institutional type. As indicated in Table 2, 99 percent of the Fall Term 1979 transfers came from public community colleges. This is not surprising in that 93 percent of the participating two-year colleges were public community colleges, and the average public community college is approximately four times larger than the average private junior college. Public universities received nearly 80 percent of the two-year college transfers in the Fall Term 1979.

Table 2

NUMBER AND PERCENT OF TWO-YEAR TO SENIOR COLLEGE TRANSFERS
FALL 1979 BY INSTITUTIONAL TYPE

Institution Transferred From	Institution Transferred To: Private Senior Colleges/Universities Number	Private Senior Colleges/Universities Percent	Public Universities Number	Public Universities Percent	Total Number
Private Junior Colleges	24	29.6	57	70.4	81
Public Community Colleges	2,051	20.1	8,141	79.9	10,192
TOTAL	2,075	20.2	8,198	79.8	10,273

Table 3 compares the number of students transferring from the two-year colleges in the Fall Term 1979 with the number of transfers for those institutions who participated in the Fall 1967 and 1973 studies. In the Fall Term 1979, seven public community college districts (City Colleges of Chicago, DuPage, Harper, Triton, Oakton, Illinois Central, and Moraine Valley) account for 50 percent of the two-year college transfers. Six of these seven districts are located in the city or surrounding suburbs of Chicago.

Table 4 compares the number of 1979 transfers by receiving senior institutions with the numbers received by those institutions that participated in the 1973 study. In the Fall Term 1979, five public universities (Northern, Illinois State, Southern Illinois University at Carbondale, and both the Chicago Circle and Urbana-Champaign campuses of the University of Illinois) received more than fifty percent of the two-year college transfers. Community college transfers to the 21 institutions that participated in both studies declined slightly between 1973 and 1979 as did the total number of transfers.

Both Tables 3 and 4 indicate a slight decline in the number of community college to senior college transfers between Fall 1973 and Fall 1979. ICCB enrollment data show a 16 percent decline in pre-baccalaureate program enrollments over the same period, although the total community college enrollment increased by 2.5 percent. Fall 1980 community college pre-baccalaureate enrollment increased by 12 percent over Fall 1979. The ratio of transfers to pre-baccalaureate enrollment in the previous year and in the second previous year has been steady at between 11 and 14 percent from Fall 1975 through Fall 1980.

Table 3

NUMBER OF FALL 1979 TRANSFERS BY SENDING INSTITUTION COMPARED TO FALL 1967 AND FALL 1973 (AS AVAILABLE)

Public Community College District	1967	1973	1979
Belleville Area College	209	277	301
Black Hawk College	118	263	165
City Colleges of Chicago	1,840	2,452	1,903
Danville Area Community College	90	148	137
College of DuPage	82	634	770
Elgin Community College	122	175	233
William Rainey Harper College**	0	475	702
Highland Community College	56	71	99
Illinois Central College**	0	311	402
Illinois Eastern Community Colleges*	104	137	167
Illinois Valley Community College	140	229	250
Joliet Junior College	309	576	302
Kankakee Community College	---	75	77
Kaskaskia College	87	127	106
Kishwaukee College	---	107	100
College of Lake County	---	194	277
Lake Land College**	0	172	149
Lewis & Clark Community College	---	120	107
Lincoln Land Community College	---	395	331
John A. Logan College	---	104	136
McHenry County College	---	88	138
Moraine Valley Community College	---	281	401
Morton College	161	139	153
Oakton Community College	---	211	409
Parkland College**	0	188	280
Prairie State College	117	288	233
Rend Lake College	57	116	54
Richland Community College	---	21	100
Rock Valley College	102	708	187
Carl Sandburg College**	0	64	77
Sauk Valley College	15	132	106
Shawnee College	---	43	63
Southeastern Illinois College	68	72	57
Spoon River College	113	54	63
State Community College of East St. Louis	---	77	35
Thornton Community College	187	323	240
Triton College	111	517	553
Waubonsee Community College**	0	140	229
John Wood Community College	---	---	100
SUBTOTAL	4,088	10,504	10,192
Private Junior Colleges			
MacCormac College	20	---	12
Mallinckrodt College	---	---	5
Robert Morris College	80	---	12
Springfield College in Illinois	156	---	52
SUBTOTAL	256	0	81
GRAND TOTAL	4,344	10,504	10,273

*The Olney Central and Wabash Valley Colleges of Illinois Eastern Community Colleges participated as independent institutions in 1967.

**Since these six colleges began operating in Fall 1967, they participated in the Fall 1967 Transfer Study only as receiving and not sending colleges.

Table 4
NUMBER OF FALL 1979 TRANSFERS BY
RECEIVING INSTITUTIONS COMPARED TO FALL 1973 (AS AVAILABLE)

	Fall 1973*	Fall 1979	
Northern Illinois University	1860	1291	(1291)**
Illinois State University	1093	1139	(1131)
Southern Illinois University (Carbondale)	1284	1051	(1042)
University of Illinois (Chicago Circle)	1037	807	(805)
University of Illinois (Urbana/Champaign)	745	783	(770)
Eastern Illinois University	534	632	(625)
Northeastern Illinois University	327	631	(623)
Western Illinois University	832	558	(553)
Roosevelt University	409	379	(379)
Chicago State University	414	360	(360)
Southern Illinois University (Edwardsville)	409	347	(342)
DePaul University	234	336	(325)
Sangamon State University	285	245	(245)
Governors State University	255	231	(231)
Elmhurst College	89	216	(216)
Bradley University	161	172	(172)
Loyola University	172	145	(143)
University of Illinois (Medical Center)		123	
Aurora College		97	
Quincy College		92	
Illinois Benedictine College		64	
Rosary College	52	62	(62)
George Williams College		59	
Millikin University		50	
Mundelein College		47	
Illinois Institute of Technology	60	46	(46)
College of St. Francis	57	44	(44)
Augustana College		38	
Judson College		25	
Greenville College		23	
Rush University		21	
Illinois Wesleyan University		20	
Trinity Christian College		19	
Illinois College		17	
Concordia College		16	
Eureka College		15	
Lake Forest College		14	
North Park College	4	14	(14)
Rockford College		13	
Knox College		9	
Northwestern University		9	
Wheaton College		8	
Parks College of St. Louis University		5	
TOTAL	10,313	10,273	(9,419)

*The number of transfers in Fall 1973 were from public community colleges only.
**The numbers in parenthesis are the number of public community college transfers only in Fall 1979 to provide comparison to Fall 1973.

The Fall term accounts for 77 percent of the annual two-year to senior college transfers, as reported in an informal poll of selected senior institutions. Between Fall 1973 and Fall 1979, the number of first-time two-year college transfers to senior institutions as a proportion of fall term undergraduate (headcount) enrollment has remained steady at 7 percent at public universities and 3.5 percent at private colleges and universities, according to data reported annually in the Illinois Board of Higher Education fall enrollment surveys.

This study was designed to examine only the two-year to senior college transfer phenomenon. Although this category of transfer students is the largest, it is not the only category. Fall term admissions and transfer data collected annually by the Illinois Board of Higher Education suggest that the two-year to senior college transfers account for approximately 36 percent of the fall term transfer students. The balance of fall term transfers consist of transfers to Illinois institutions from out of state (23 percent); transfers within sectors, e.g., from one public university to another (25 percent); and reverse transfers, i.e., from senior to two-year colleges (16 percent).

Pre-transfer Characteristics. To identify the pre-transfer characteristics of students transferring in the Fall Term 1979, the second purpose for the study, the sending two-year colleges were asked to provide descriptive information on each of the 10,273 students identified by the senior institutions and verified as two-year college transfers. Tables 5-9 present these pre-transfer characteristics.

Table 5

NUMBER AND PERCENT OF FALL 1979 TRANSFERS BY AGE

Age Categories	Number	Percent
Under 21 years	153	1.6
21 - 24 years	6,575	66.6
25 - 30 years	1,704	17.3
31 - 39 years	981	9.9
40 years and over	454	4.6
TOTAL	9,867	100.0
Number for whom age was not reported	406	
	10,273	

As Table 5 indicates, more than two-thirds of the transfers whose age was reported by the two-year colleges were in the traditional under 24 year-old college population. Approximately two in ten transfers were in the 25-30 age range, and another one in ten was in the 31-39 age range. Virtually equal numbers of men and women transferred to senior colleges in the Fall Term 1979, as reflected in Table 6 on the next page.

Table 6

NUMBER AND PERCENT OF THE FALL 1979 TRANSFERS BY SEX

	Number	Percent
Male	5,133	50.0
Female	5,140	50.0
Total	10,273	100.0

Table 7 reports the pre-transfer degree status of and number of credits earned by the Fall Term 1979 transfers. Of every ten Fall 1979 transfer students, six transferred without having earned an associate degree, the same percentage found in the 1973 study; three transfers completed an associate in arts or associate in science degree, degrees specifically designed for transfer to baccalaureate programs; and one transferred after earning the associate in applied science degree, a degree not usually considered a transfer degree since it was designed to prepare students for entry into specific occupations. Table 7 also shows that 38 percent of the transfers who did not earn a degree completed less than the equivalent of the freshman year of study, while 36 percent completed enough credits, perhaps, to be classified as sophomores at the receiving senior institution.

Table 7

NUMBER AND PERCENT OF FALL 1979 TRANSFERS BY PRE-TRANSFER DEGREE STATUS AND NUMBER OF CREDITS EARNED

No. of Pre-trans. Cred. Earned*	Pre-transfer Degree Status: AA/AS Degrees Number	AA/AS Degrees Percent	AAS Degrees Number	AAS Degrees Percent	No Degree Earned Number	No Degree Earned Percent	Total Number	Total Percent
1 - 14	8	0.3	0	0.0	962	15.4	970	9.5
15 - 29	64	2.0	10	1.4	1,425	22.9	1,499	14.7
30 - 59	396	12.4	78	10.6	2,225	35.7	2,699	26.6
60 and over	2,730	85.4	645	88.0	1,621	26.0	4,996	49.2
TOTAL	3,198	100.1	733	100.0	6,233	100.0	10,164	100.0

*Does NOT include any credits transferred to the two-year college from a previous institution.

Table 8 on the next page presents the number and percent of students enrolled in 16 program categories (derived by combining related two-digit HEGIS codes) before transfer by pre-transfer degree status. The principal programs of enrollment of the transfer students while attending the two-year colleges were general liberal arts with 41 percent, "undeclared" with 19 percent, the various technology programs with 17 percent, and business with 10 percent.

Table 8

NUMBER AND PERCENT OF TRANSFERS BY PRE-TRANSFER DEGREE STATUS AND BY PROGRAM (IN TWO-DIGIT HEGIS)

Program	Pre-transfer Degree Status: AA/AS Degree Graduates Number	%	AAS Degree Graduates Number	%	No Degree Number	%	Total Number	%
Undeclared (00)	462	14.4	139	18.9	1,312	20.7	1,913	18.6
Business (05)	434	13.5	8	1.1	603	9.5	1,045	10.2
Education (08)	172	5.4	2	0.3	214	3.4	388	3.8
General Liberal Arts (49)	1,543	48.2	43	5.8	2,643	41.8	4,229	41.2
Science and Math (04, 07, 17, 19)	60	1.9	2	0.3	107	1.7	169	1.6
Social & Behav. Sci. (14, 20, 21, 22)	77	2.4	9	1.2	75	1.2	161	1.6
Engineering (09)	74	2.3	6	0.8	139	2.2	219	2.1
Arts and Humanities (10, 11, 15, 23)	84	2.6	0	0.0	102	1.6	186	1.8
Health (12)	27	0.8	2	0.3	45	0.7	74	0.7
Business Technology (50)	140	4.4	143	19.4	435	6.9	718	7.0
Data Processing Tech. (51)	11	0.3	46	6.3	89	1.4	146	1.4
Health Technology (52)	38	1.2	104	14.1	165	2.6	307	3.0
Engineering Technology (53)	10	0.3	65	8.8	125	2.0	200	1.9
Natural Science Tech. (54)	3	0.1	31	4.2	34	0.5	68	0.7
Public Service Tech. (55)	26	0.8	134	18.2	185	2.9	345	3.4
Other (01, 02, 06, 13, 16)	44	1.4	2	0.3	59	0.9	105	1.0
TOTAL	3,205	100.0	736	100.0	6,332	100.0	10,273	100.0

Table 9 below presents the number and percent of Fall 1979 transfers by pre-transfer GPA category. Similar numbers of transfers had pre-transfer GPAs in each of the four categories of "C" or above, with less than four percent having pre-transfer GPAs below the "C" average normally considered necessary for transfer. The mean pre-transfer GPA for those for whom pre-transfer GPAs were reported was 2.93, or a "B" average.

Table 9

NUMBER AND PERCENT OF FALL 1979 TRANSFERS
BY PRE-TRANSFER GPA

Pre-transfer GPA	Number	Percent
Under 2.00	377	3.7
2.00 - 2.49	2,045	20.2
2.50 - 2.99	2,775	27.4
3.00 - 3.49	2,907	28.7
3.50 - 4.00	2,021	20.0
TOTAL	10,125	100.0
Number for whom GPA was not reported	148	
	10,273	

Limitations of the Study

As in other studies of this magnitude involving discrete individual data provided by 86 different institutions, the statewide aggregation presented in this report is only as accurate as the individual data received. Every effort has been, and will continue to be, made to obtain and verify the accuracy of individual data. Although the possibilities for error increase both with the passage of time and with each person added to the data collection process, the data shown in this report are believed to be accurate. Where major inaccuracies were suspected, data were listed as "missing" for the item and will be verified or corrected where possible for subsequent reports.

APPENDIX A

LIST OF PARTICIPATING ILLINOIS INSTITUTIONS

Public Community Colleges	1967	1973	1979
Belleville Area College	x	x	x
Black Hawk College		x	x
East			
Quad Cities	x		
Chicago, City Colleges of	x	x	x
City-Wide			
Daley			
Kennedy-King			
Loop			
Malcolm X			
Olive-Harvey			
Skills Center			
Truman			
Wilbur Wright			
Danville Area Community College	x	x	x
DuPage, College of		x	x
Main	x		
Open			
Elgin Community College	x	x	x
W. R. Harper College	x	x	x
Highland Community College	x	x	x
Illinois Central College	x	x	x
Illinois Eastern Community College		x	x
Frontier			
Lincoln Trail			
Olney Central	x		
Wabash Valley	x		
Illinois Valley Community College	x	x	x
Joliet Junior College	x	x	x
Kankakee Community College		x	x
Kaskaskia College	x	x	x
Kishwaukee College		x	x
Lake County, College of		x	x
Lake Land College	x	x	x
Lewis & Clark Community College		x	x
Lincoln Land Community College		x	x
John A. Logan College		x	x
McHenry County College		x	x
Moraine Valley Community College		x	x
Morton College	x	x	x
Oakton Community College		x	x
Parkland College	x	x	x
Prairie State College	x	x	x
Rend Lake College	x	x	x
Richland Community College		x	x

Public Community Colleges (Continued)	1967	1973	1979
Rock Valley College	x	x	x
Carl Sandburg College	x	x	x
Sauk Valley College	x	x	x
Shawnee College		x	x
Southeastern Illinois College	x	x	x
Spoon River College	x	x	x
State Community College of East St. Louis		x	x
Thornton Community College	x	x	x
Triton College	x	x	x
Waubonsee Community College	x	x	x
John Wood Community College	—	—	x
TOTAL	27	38	39

Private Two-year Colleges			
American Academy of Art	x		
Central YMCA Community College	x		
Kendall College	x		
Lincoln College	x		
MacCormac College	x		x
Mallinckrodt College			x
Monticello College	x		
Robert Morris College	x		x
Springfield College in Illinois	x		x
Trinity Christian College	x		(x)*
Winston Churchill College	x	—	—
TOTAL	10	0	4

Public Senior Colleges/Universities			
Chicago State University	x	x	x
Eastern Illinois University	x	x	x
Governors State University		x	x
Illinois State University	x	x	x
Northeastern Illinois University	x	x	x
Northern Illinois University	x	x	x
Sangamon State University		x	x
Southern Illinois University (Carbondale)	x	x	x
Southern Illinois University (Edwardsville)	x	x	x
University of Illinois	x		
Circle Campus		x	x
Medical Center			x
Urbana/Champaign		x	x
Western Illinois University	x	x	x
TOTAL	9	12	13

Private Senior Colleges/Universities	1967	1973	1979
American Conservatory of Music	x		
Augustana College	x		x
Aurora College	x		x
Blackburn College	x	x	
Bradley University	x	x	x
Chicago Medical School	x		
College of St. Francis	x	x	x
Concordia College	x		x
DePaul University	x	x	x
Elmhurst College	x	x	x
Eureka College	x		x
George Williams College	x		x
Greenville College	x		x
Illinois Benedictine College			x
Illinois College	x		x
Illinois Institute of Technology	x	x	x
Illinois Wesleyan University	x		x
Judson College	x		x
Knox College	x		x
Lake Forest College	x		x
Lewis University	x	x	
Lincoln Christian College	x		
Loyola University of Chicago	x	x	x
MacMurray College	x	x	
Maryknoll College	x		
Millikin University	x		x
Monmouth College	x		
Mundelein College	x		x
National College of Education	x		
North Central College	x		
North Park College		x	x
Northwestern University	x		x
Olivet Nazarene College	x		
Parks College of St. Louis University	x		x
Pestalozzi Froebel Teachers College	x		
Quincy College			x
Rockford College	x		x
Roosevelt University	x	x	x
Rosary College	x	x	x
Rush University			x
St. Procopius College	x		
Sherwood Music School	x		
Shimer College	x		
Trinity Christian College	(x*)		x
Vandercook College of Music	x		
Wheaton College	x		x
TOTAL	41	12	30

*Participated as a two-year college in 1967 and a four-year college in 1979.

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